AMENDMENTS TO THE SPECIFICATION

Applicant respectfully submits the following amendment to the specification. Please enter the following amendments for the first full paragraph on page 19 that begins at line 8 and concludes on page 20 at line 3:

> As best illustrated in Fig. 6, the positive voltage jacks 640 and the negative voltage jack 642 of each of the electrical connectors 604 are electrically coupled through a first ferrite 646 and a second ferrite 648. The first and second ferrites prevent erroneous readings and/or damage to the recorder 260 and control unit 252 due to voltage spikes picked up by the thermocouple 60 or extensions. In addition, each positive voltage jack 640 and each negative voltage jack 642 is electrically coupled to ground 650 through a capacitor 652. The capacitors 652 are selected to have a low impedance to AC signals at noise frequencies. Preferably, the capacitors are selected to have a low impedance at radio frequencies, i.e., the operating frequency of the electricity flowing through the induction heating cable. The low impedance of the capacitors 652 at noise frequencies results in the electrical noise being shunted through the capacitors 652 to ground 650. Thus, the electrical noise does not continue on to the recorder 260 and control unit to interfere with data recordation and control of the system 50. In addition, the capacitors 652 block the DC voltage produced by the thermocouples 60. Thus, the DC voltage from the thermocouples 60 is not shunted to ground 650 but continues on to the recorder 260 and control unit 252. Additionally, each of the ground jacks 644 are electrically coupled to ground 650; thereby grounding the shielding conductor 632. Therefore, any electrical noise picked up by the shielding conductor 632 is electrically coupled to ground 650. <u>These elements, among others, comprise or are related to an interface circuit.</u>